



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office	Docket No. <b>ELSE-0819</b>	Application No. <b>10/617,844</b>
	Applicant <b>Rodney C. Hemminger, et al.</b>	
	Filing Date <b>July 11, 2003</b>	Group <del>Not Yet Assigned</del> <b>2829</b>

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>RL</i>	1	2,724,821	11/22/55	E.Q. Schweitzer, Jr.		
	2	3,794,917	2//261974	Martin et al.		
	3	3,806,875	4//23/1974	Georget		
	4	3,826,985	7//301974	Wiley		
	5	3,976,941	8//241976	Milkovic		
	6	4,007,061	2//81977	Le Coturier		
	7	4,034,292	7/5/1977	McClelland, III		
	8	4,077,061	2/28/1978	Johnston et al.		
	9	4,092,592	5/30/1978	Milkovic		
✓	10	4,096,436	6/20/1978	Cook et al.		

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	11	0 288 413 A1	10/1988	EPO	x	
	12	0 462 045 A1	12/1991	EPO	x	
	13	1-239473	9/1989	JP	Abstract	
	14	1-239474	9/1989	JP	Abstract	
	15	1-239475	9/1989	JP	Abstract	
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<i>RV</i>	16	4,119,948	10/10/1978	Ward et al.		
	17	4,120,031	10/10/1978	Kincheloe et al.		
	18	4,131,844	12/26/1978	Hucker et al.		
	19	4,156,273	5/22/1979	Sato		
	20	4,156,931	5/29/1979	Adelman et al.		
	21	4,156,932	5/29/1979	Robinson et al.		
	22	4,158,810	6/19/1979	Leskovar		
	23	4,186,339	1/29/1980	Finger		
	24	4,209,826	6/24/1980	Priegnitz		
↓	25	4,213,119	7/15/1980	Ward et al.		

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	26	2-095-879	1/1982	Great Britain		
	27	61-11680	1/1986	JP	Abstract	
	28	61-284670	12/1986	JP	Abstract	
	29	61-38569	2/1986	JP	Abstract	
	30	68113/87	8/1987	Australia	*	

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<i>RL</i>	31	4,283,772	8/11/1981	Johnston		
	32	4,291,375	9/22/1981	Wolf		
	33	4,298,839	11/3/1981	Johnston		
	34	4,301,508	11/17/1981	Anderson et al.		
	35	4,315,248	2/9/1982	Ward		
	36	4,335,445	6/15/1982	Nercessian		
	37	4,355,361	10/19/1982	Riggs et al.		
	38	4,359,684	11/16/1982	Ley		
	39	4,361,877	11/30/1982	Dyer et al.		
<i>V</i>	40	4,378,524	3/29/1983	Steinmüller		

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	41	EP 0 092 303 B1	10/86	EPO	*	
	42	GB 2177 805 A	1/1987	Great Britain	*	
	43	WO 86/05887	10/1986	WO	*	
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<i>RC</i>	44	4,389,702	6/21/1983	Clemente et al.		
	45	4,399,510	8/16/1983	Hicks		
	46	4,407,061	10/4/1983	Grodkiewicz et al.		
	47	4,415,853	11/15/1983	Fisher		
	48	4,420,721	12/13/1983	Dorey et al.		
	49	4,422,039	12/20/1983	Davis		
	50	4,437,059	3/13/1984	Hauptmann		
	51	4,438,485	3/20/1984	Voigt		
	52	4,439,764	3/27/1984	York et al.		
	53	4,467,434	8/21/1984	Hurley et al.		

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<i>RL</i>	54	4,489,384	12/18/1984	Hurley et al.		
	55	4,497,017	1/29/1985	Davis		
	56	4,509,128	4/2/1985	Coppola et al.		
	57	4,516,213	5/7/1985	Gidden		
	58	4,542,469	9/17/1985	Brandyberry et al.		
	59	4,566,060	1/21/1986	Hoeksma		
	60	4,581,705	4/8/1986	Gilker et al.		
	61	4,600,881	7/15/1986	LaRocca et al.		
	62	4,607,320	8/19/1986	Matui et al.		
✓	63	4,621,330	11/4/1986	Weikel		

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<i>Re</i>	64	4,622,627	11/11/1986	Rodriguez et al.		
	65	4,623,960	11/18/1986	Eng		
	66	4,642,634	2/10/1987	Gerri et al.		
	67	4,646,084	2/24/1987	Burrowes et al.		
	68	4,686,460	8/11/1987	Stevens et al.		
	69	4,692,874	9/8/1987	Mihara		
	70	4,697,180	9/29/1987	Swanson		
	71	4,700,280	10/13/1987	Onda et al.		
	72	4,701,858	10/20/1987	Stokes et al.		
✓	73	4,713,608	12/15/1987	Catiller et al.		

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<i>RK</i>	74	4,754,219	6/28/1988	Milkovic		
	75	4,757,456	7/12/1988	Benghiat		
	76	4,761,725	8/2/1988	Henze		
	77	4,794,369	12/27/1988	Haferd		
	78	4,803,632	2/7/1989	Frew et al.		
	79	4,814,757	3/21/1989	Patterson et al.		
	80	4,831,327	5/16/1989	Chénier et al.		
	81	4,853,620	8/1/1989	Halder et al.		
	82	4,862,493	8/29/1989	Venkataraman et al.		
<i>✓</i>	83	4,866,587	9/12/1989	Wadlington		

**FOREIGN PATENT DOCUMENTS**

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<b>U. S. PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Subclass</b>	
RL	84	4,881,027	11/14/1989	Joder et al.			
	85	4,881,070	11/14/1989	Burrowes et al.			
	86	4,884,021	11/28/1989	Hammond et al.			
	87	4,896,106	1/23/1990	Voisine et al.			
	88	4,902,964	2/20/1990	Szabela et al.			
	89	4,902,965	2/20/1990	Bodrug et al.			
	90	4,908,569	3/13/1990	Fest			
	91	4,908,769	3/13/1990	Vaughan et al.			
	92	4,922,187	5/1/1990	Beverly, II			
V	93	4,922,399	5/1/1990	Tsuzuki			
<b>FOREIGN PATENT DOCUMENTS</b>							
<b>Examiner Initial</b>		<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Translation</b>		
					<b>YES</b>	<b>NO</b>	
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<i>RV</i>	94	4,931,725	6/5/1990	Hutt et al.		
	95	4,949,029	8/14/1990	Cooper et al.		
	96	4,951,052	8/21/1990	Jacob et al.		
	97	4,956,761	9/11/1990	Higashi		
	98	4,975,592	12/4/1990	Hahn et al.		
	99	4,977,368	12/11/1990	Munday et al.		
	100	4,978,911	12/18/1990	Perry et al.		
	101	4,998,061	3/5/1991	Voisine et al.		
	102	4,999,569	3/12/1991	Weikel		
✓	103	5,010,335	4/23/1991	Coppola et al.		

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<i>RK</i>	104	5,014,213	5/7/1991	Edwards et al.		
	105	5,017,860	5/21/1991	Germer et al.		
	106	5,019,955	5/28/1991	Hoeksma		
	107	5,032,785	7/16/1991	Mathis et al.		
	108	5,059,896	10/22/1991	Germer et al.		
	109	5,122,735	6/16/1992	Porter et al.		
	110	5,140,511	8/18/1992	Lee et al.		
	111	5,151,866	9/29/1992	Glaser et al.		
	112	5,153,837	10/6/1992	Shaffer et al.		
<i>✓</i>	113	5,173,657	12/22/1992	Holdsclaw		

**FOREIGN PATENT DOCUMENTS**

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<i>RL</i>	114	5,175,675	12/29/1992	Uramoto		
	115	5,181,026	1/19/1993	Granville		
	116	5,184,064	2/2/1993	Vicknair et al.		
	117	5,229,713	7/20/1993	Bullock et al.		
	118	5,245,275	9/14/1993	Germer et al.		
	119	5,268,633	12/7/1993	Balch		
	120	5,270,958	12/14/1993	Dastous		
	121	5,287,287	2/15/1994	Chamberlain et al.		
	122	5,296,803	3/22/1994	Kirby et al.		
✓	123	5,315,527	5/24/1994	Beckwith		

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<b>U. S. PATENT DOCUMENTS</b>							
Examiner Initial		Document No.	Date	Name	Class	Subclass	
<i>RV</i>	124	5,325,051	6/28/1994	Germer et al.			
	125	5,391,983	2/21/1995	Lisignan et al.			
	126	5,457,621	10/10/1995	Munday et al.			
	127	5,495,167	2/27/96	Cotroneo			
	128	5,537,029	7/16/1996	Hemminger et al.			
	129	5,539,304	7/23/96	Payne et al.			
	130	5,544,089	8/6/1996	Hemminger et al.			
	131	5,548,209	8/20/1996	Lusignan et al.			
	132	5,548,527	8/20/1996	Hemminger et al.			
	133	5,555,508	9/10/1996	Munday et al.			
	134	5,903,145	5/11/1999	Hemminger et al.			
<i>✓</i>	135	6,229,295 B1	5/8/2001	Hemminger et al.			
	136	5,621,629	04/97	Hemminger, et al.	363	56	
		<i>Duplicate</i>					
<i>RV</i>	137	6,097,182	08/00	Hemminer, et al.	324	142	
<i>RV</i>	138	5,742,151	04/98	Hwang	323	222	
<i>RV</i>	139	5,808,455	09/98	Schwartz, et al.	323	271	
<i>RV</i>	140	3,569,818	03/71	<i>Dahlinger, et al</i>	363	21.12	
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<i>Re</i>	141	4,241,237	12/23/80	Paraskevagos, et al.	379	106.06
	142	4,335,447	06/15/82	Jerrim	714	22
	143	4,455,453	06/19/84	Paraskevagos, et al.	379	106.06
	144	4,620,150	10/28/86	Germer, et al.	324	103.12
	145	4,639,728	01/27/87	Swanson	340	870.03
	146	4,682,169	07/21/87	Swanson	379	102.07
	147	4,697,181	09/29/87	Swanson	340	870.02
	148	4,697,182	09/29/87	Swanson	340	870.02
	149	4,804,957	02/14/89	Selph, et al.	340	870.03
	150	4,999,572	03/12/91	Bickford, et al.	324	103R
	151	5,146,394	09/08/92	Ishii, et al.	363	16
	152	5,237,511	08/17/93	Caird, et al.	702	58
	153	5,289,115	02/22/94	Germer, et al.	324	107
	154	5,469,049	11/21/95	Briese, et al.	324	76.77
	155	5,471,137	11/28/95	Briese, et al.	324	158.1
	156	5,537,333	07/16/96	Hemminger, et al.	702	60
	157	5,621,629	04/15/97	Hemminger, et al.	363	56.1
	158	5,631,554	05/20/97	Briese, et al.	324	76.77
	159	5,631,843	05/20/97	Munday, et al.	700	286
✓	160	5,691,634	11/25/97	Lowe	324	107

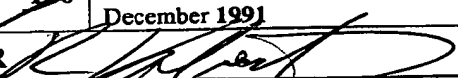
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>		
<del>161</del>	<del>"Enter the Electronic Metering Age With GE, The Electronic Polyphase Demand Meter, GE Electronic Metering," <i>GE Meters Brochure</i>, Somersworth, NH, Sept. 1989</del>	
<del>162</del>	<del>G.A. Kingston, et al., "Multi Function Polyphase Metering - An Integrated Approach," Schlumberger Industries Electricity Management, UK</del>	
<del>163</del>	<del>Garverick, Steven L. et al., "A Programmable Mixed-Signal ASIC of Power Metering," ISSCC91/Session 2/Low-Temperature Circuits and Special-Purpose Processors/Paper WP 2.4, IEEE International Solid State Circuits Conference, 1991</del>	
<del>164</del>	<del>Garverick, Steven L. et al., "A Programmable Mixed-Signal ASIC for Power Metering," IEEE Journal of Solid-State Circuits, Vol. 26, No. 12, December 1991</del>	
<del>165</del>	<del>GOW, J., Electrical Metering Practices, 1973 - <i>Copy of Reference not available</i></del>	
<del>166</del>	<del>H. Kohler, "Elektronischer Hochprazisionzähler im 19-Zoll-Einbaughehause für Wirkverbrauch-und Blindverbrauchszählung," Siemens Magazine, pp. 345-349, 1977</del>	
<del>167</del>	<del>Handbook for Electricity Metering, 1981 - <i>Copy of Reference not available</i></del>	
<del>168</del>	<del>HP Eggenberger, "Ein Elektronischer Elektrizitätszähler für Wir- und Blindverbrauch," Neue Zürcher Zeitung, September 6, 1989</del>	
<del>169</del>	<del>In the Matter of Australian Patent Application No. 688711 in the name of ABB Power T&amp;D Company Inc. and In the Matter of Opposition thereto by Electrowatt Technology Innovation Corporation, "Statement of Grounds and Particulars in Support of Opposition, August 12, 1998</del>	
<del>170</del>	<del>In the Matter of Australian Patent Application 688711 in the name of ABB Power T&amp;D Company Inc. and In the Matter of Opposition Thereto by Electrowatt Technology Innovation Corporation, Revised "Statement of Grounds and Particulars in Support of Opposition, February 19, 1999.</del>	
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*No Document cited on  
this sheet has been considered.  
RC  
10-12-04*

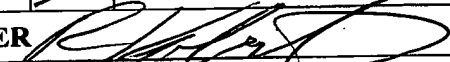


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—	<del>207</del>	<del>Answer and Affirmative Defense to First Amended Complaint and Counterclaims for Declaratory Judgment of Non-Infringement, Invalidity and/or Unenforceability and for Patent Infringement, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, July 2, 2001</del>	
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—	<del>209</del>	<del>Reply and Affirmative Defenses to Schlumberger's Counterclaims Filed in Response to ABB's Second Amended Complaint, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77, August 21, 2001</del>	
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	Applicant <b>Rodney C. Hemminger, et al.</b>	
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211	<b>Schlumberger's First Set of Interrogatories to Plaintiff, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-077, September 21, 2001</b>
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<i>RK</i>	235	Second Amended Complaint for Patent Infringement and for Declaratory Judgment of Non-Infringement, Invalidity and/or that Schlumberger is not Entitled to Relief, In the United States District Court for the District of Delaware, ABB Automation, Inc., v. Schlumberger Resource Management Services, Inc., Case No.: 01-77SLR, July 25, 2001
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